

## ENGINEERING CHANGE NOTICE

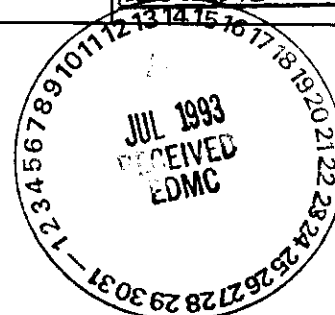
Page 1 of 2

1. ECN 169888

Proj.  
ECN

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedure <input type="checkbox"/> Cancel/Void <input checked="" type="checkbox"/>		3. Originator's Name, Organization, MSIN, and Telephone No. L. C. Swanson, Geosciences, H6-06, 6-1438		4. Date 6/24/93	
		5. Project Title/No./Work Order No. Environmental Restoration		6. Bldg./Sys./Fac. No. N/A	
		8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-EN-TP-021, Rev. 0		9. Related ECN No(s). N/A	
				10. Related PO No. N/a	
11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)		11b. Work Package No. N/A		11c. Modification Work Complete N/A	
		Cog. Engineer Signature & Date		11d. Restored to Original Condition (Temp. or Standby ECN only) N/A	
		Cog. Engineer Signature & Date			
12. Description of Change The above referenced test plan is cancelled.					
13a. Justification (mark one) Criteria Change <input checked="" type="checkbox"/> Design Improvement <input type="checkbox"/> Environmental <input type="checkbox"/> As-Found <input type="checkbox"/> Facilitate Const. <input type="checkbox"/> Const. Error/Omission <input type="checkbox"/> Design Error/Omission <input type="checkbox"/>					
13b. Justification Details A change in format from the test plan format to a description of work format was required by the regulators, so a complete rewrite was needed, and necessitated the close out of WHC-SD-EN-TP-021, Rev. 0.					
14. Distribution (include name, MSIN, and no. of copies) M.P. Connelly H6-06 (1), R.L. Jackson H6-06 (1), W.J. McMahon H6-06 (1), L.C. Swanson H6-06 (1), W.A. Thackaberry H4-16 (1), C.D. Wittreich H6-03 (1) EDMC H6-08 (2) Central Files L8-04 (2)				RELEASE STAMP OFFICIAL RELEASE 11 BY WHC DATE JUL 01 1993 Station # 12	

A-7900-013-2 (06/92) GEF095



A-7900-013-1 (11/88)

9312968.1227

## ENGINEERING CHANGE NOTICE

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1. ECN (use no. from pg. 1)

169888

15. Design Verification Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	16. Cost Impact				17. Schedule Impact (days) Improvement <input type="checkbox"/> Delay <input type="checkbox"/>
	ENGINEERING		CONSTRUCTION		
	Additional <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	Additional <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD <input type="checkbox"/>	Seismic/Stress Analysis <input type="checkbox"/>	Tank Calibration Manual <input type="checkbox"/>
Functional Design Criteria <input type="checkbox"/>	Stress/Design Report <input type="checkbox"/>	Health Physics Procedure <input type="checkbox"/>
Operating Specification <input type="checkbox"/>	Interface Control Drawing <input type="checkbox"/>	Spares Multiple Unit Listing <input type="checkbox"/>
Criticality Specification <input type="checkbox"/>	Calibration Procedure <input type="checkbox"/>	Test Procedures/Specification <input type="checkbox"/>
Conceptual Design Report <input type="checkbox"/>	Installation Procedure <input type="checkbox"/>	Component Index <input type="checkbox"/>
Equipment Spec. <input type="checkbox"/>	Maintenance Procedure <input type="checkbox"/>	ASME Coded Item <input type="checkbox"/>
Const. Spec. <input type="checkbox"/>	Engineering Procedure <input type="checkbox"/>	Human Factor Consideration <input type="checkbox"/>
Procurement Spec. <input type="checkbox"/>	Operating Instruction <input type="checkbox"/>	Computer Software <input type="checkbox"/>
Vendor Information <input type="checkbox"/>	Operating Procedure <input type="checkbox"/>	Electric Circuit Schedule <input type="checkbox"/>
OM Manual <input type="checkbox"/>	Operational Safety Requirement <input type="checkbox"/>	ICRS Procedure <input type="checkbox"/>
FSAR/SAR <input type="checkbox"/>	IEFD Drawing <input type="checkbox"/>	Process Control Manual/Plan <input type="checkbox"/>
Safety Equipment List <input type="checkbox"/>	Cell Arrangement Drawing <input type="checkbox"/>	Process Flow Chart <input type="checkbox"/>
Radiation Work Permit <input type="checkbox"/>	Essential Material Specification <input type="checkbox"/>	Purchase Requisition <input type="checkbox"/>
Environmental Impact Statement <input type="checkbox"/>	Fac. Proc. Samp. Schedule <input type="checkbox"/>	<input type="checkbox"/>
Environmental Report <input type="checkbox"/>	Inspection Plan <input type="checkbox"/>	<input type="checkbox"/>
Environmental Permit <input type="checkbox"/>	Inventory Adjustment Request <input type="checkbox"/>	<input type="checkbox"/>

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number/Revision
N/A		

20. Approvals

Signature	Date	Signature	Date
<b>OPERATIONS AND ENGINEERING</b>			
Cog Engineer L. C. Swanson <i>LC Swanson</i>	<u>6/25/93</u>	ARCHITECT-ENGINEER	
Cog. Mgr. R. L. Jackson <i>R L Jackson</i>	<u>6/25/92</u>	PE	
QA		QA	
Safety		Safety	
Security		Design	
Environ.		Environ.	
Projects/Programs		Other	
Tank Waste Remediation System			
Facilities Operations			
Restoration & Remediation		DEPARTMENT OF ENERGY	
Operations & Support Services		Signature or Letter No.	
IRM		ADDITIONAL	
Other			

# SUPPORTING DOCUMENT

1. Total Pages *AT 2*

2. Title

Aquifer Test Plan for the 200 West Groundwater Aggregate Area

3. Number

WHC-SD-EN-TP-021

4. Rev No.

1

5. Key Words

Aquifer test, pump test, transmissivity, hydraulic conductivity, specific yield, ground water, AAMS

**APPROVED FOR  
PUBLIC RELEASE**

*7-1-93 D. J. Jolek*

6. Author

Name: L. C. Swanson

*L. C. Swanson*  
Signature

Organization/Charge Code 81235/PLB53

7. Abstract

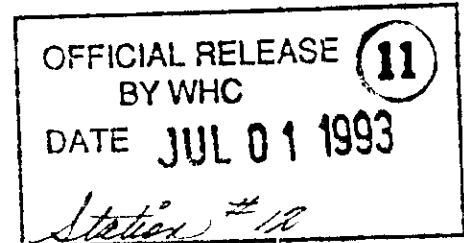
This aquifer test plan describes single- and multiple-well constant discharge tests that will be performed in the 200 West Groundwater Aggregate Area to determine and confirm hydraulic properties of the uppermost unconfined aquifer.

8. PURPOSE AND USE OF DOCUMENT - This document was prepared for use within the U.S. Department of Energy and its contractors. It is to be used only to perform, direct, or integrate work under U.S. Department of Energy contracts. This document is not approved for public release until released.

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10. RELEASE STAMP



9. Impact Level 4

9312968.229

Date Received: <b>6/30/93</b>		INFORMATION RELEASE REQUEST		Reference: WHC-CM-3-4	
Complete for all Types of Release					
Purpose			ID Number (include revision, volume, etc.) <b>ECN 169888</b>		
<input type="checkbox"/> Speech or Presentation <input type="checkbox"/> Full Paper (Check only one suffix) <input type="checkbox"/> Summary <input type="checkbox"/> Abstract <input type="checkbox"/> Visual Aid <input type="checkbox"/> Speakers Bureau <input type="checkbox"/> Poster Session <input type="checkbox"/> Videotape			<input type="checkbox"/> Reference <input checked="" type="checkbox"/> Technical Report <input type="checkbox"/> Thesis or Dissertation <input type="checkbox"/> Manual <input type="checkbox"/> Brochure/Flier <input type="checkbox"/> Software/Database <input type="checkbox"/> Controlled Document <input type="checkbox"/> Other		
			List attachments.  <b>WHC-SD-EN-TP-021, Rev. 1</b>		
			Date Release Required <div style="text-align: center;">N/A</div>		
Title <b>Aquifer Test Plan for the 200 West Groundwater Aggregate Area</b>				Unclassified Category <b>UC-</b>	Impact Level <div style="text-align: center;">4</div>
New or novel (patentable) subject matter? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has disclosure been submitted by WHC or other company? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Disclosure No(s).			Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)		
Copyrights? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has written permission been granted? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Attach Permission)			Trademarks? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)		
Complete for Speech or Presentation					
Title of Conference or Meeting <b>N/A</b>			Group or Society Sponsoring <b>N/A</b>		
Date(s) of Conference or Meeting		City/State	Will proceedings be published? <input type="checkbox"/> Yes <input type="checkbox"/> No		Will material be handed out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Title of Journal					
CHECKLIST FOR SIGNATORIES					
Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval		
			Name (printed)	Signature	Date
Classification/Unclassified Controlled Nuclear Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Patent - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Legal - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Applied Technology/Export Controlled Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
WHC Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Communications	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
RL Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Publication Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Other Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Information conforms to all applicable requirements. The above information is certified to be correct.					
References Available to Intended Audience <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Transmit to DOE-HQ/Office of Scientific and Technical Information <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Author/Requestor (Printed/Signature) <b>L. C. Swanson</b> <i>LC Swanson</i> Date <b>6/25/93</b>			<div style="border: 2px solid black; border-radius: 50%; padding: 10px; width: 150px; margin: 0 auto;"> <div style="text-align: center; font-weight: bold;">APPROVED RELEASE</div> <div style="text-align: center; font-size: 2em; font-weight: bold;">NS</div> <div style="text-align: center; font-size: 0.8em;">DOCUMENT</div> <div style="text-align: center; font-size: 1.2em;">JUL 1 1993</div> </div>		
Intended Audience <input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External Responsible Manager (Printed/Signature) <b>R. L. Jackson</b> <i>R. L. Jackson</i> Date <b>6-25-93</b>					
			Date Cancelled		Date Disapproved

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